

**BY ORDER OF THE CHIEF,  
NATIONAL GUARD BUREAU**



**MANPOWER STANDARD 23D1A4**

**28 AUGUST 2003**

***Manpower Standard***

***PNEUDRAULICS SYSTEMS***

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This Air National Guard Manpower Standard (ANGMS) quantifies the manpower required to accomplish the tasks described in the process oriented description (POD) for varying levels of workload in the 189th Airlift Wing whose mission it is to provide aircrew training for students from each branch of the military that flies the C-130 aircraft and from 27 foreign countries. This standard applies to the 189th Airlift Wing, Little Rock Air Force Base, Arkansas, and encompasses all major processes performed within the Pneudraulics Systems function. It does not apply to any other units. This standard is applicable to peacetime operations only. The Air National Guard (ANG) is authority for the approval and publication of ANG Manpower Standards. Air Force (AF) and ANG directives contain policy and procedural guidance for the operation of the Pneudraulics Systems Section. This standard was developed in accordance with AF Instruction (AFI) 38-201, *Determining Manpower Requirements*, and AF Manual (AFMAN) 38-208, Volume 1, *Air Force Management Engineering Program (MEP) Processes*, and AFMAN 38-208, Volume 2, *Air Force Management Engineering Program (MEP) - Quantification Tools*. Send comments and suggested improvements on AF IMT 847, *Recommendation for Change of Publication*, through channels, to ANG, Management Engineering Branch (ANG/XPME/Operating Location TN [OLTN]), 106 Briscoe Drive, McGhee Tyson Air National Guard Base, TN 37777-6283.

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**1. STANDARD DATA.**

1.1. Approval Date: 28 August 2003.

1.2. Man-hour Data Sources: The Operational Audit (historical record and technical estimate) technique was used to collect/determine man-hour/manpower data.

1.3. Standard Manpower Equation:  $Y = 74.33 + 35.62X$ .

1.4. Workload Factor.

1.4.1. Title:  $X$  = Primary Aircraft Inventory (PAI).

1.4.2. Definition: Number of PAI authorized to support the unit training mission.

1.4.3. Source: USAF Programming Document (PD), Volume 2, maintained by NGB/FM.

1.5. Points of Contact.

1.5.1. Functional: Col John J Samuhel, 189 MX/CC

1.5.2. Manpower: George W. Tatum III, ANG/XPME/OLTN

**2. APPLICATION INSTRUCTIONS.**

2.1. Equation. Apply the equation in Paragraph 1.3., to determine the required man-hours.

2.2. Man-Hour Availability Factor (MAF). Divide the resulting man-hours by the appropriate MAF/overload factor. The answer, rounded up, will quantify the required manpower.

2.3. Upper and Lower Extrapolation Limits:

2.3.1.  $Y_U = 449.090$

2.3.2.  $Y_L = 269.454$

**3. STATEMENT OF CONDITIONS.** The normal hours of operation for this function are 80 hours per two-week period. The alternate work schedule of eight nine hour days, and one eight hour day is the norm. No environmental, equipment, or facility conditions affect this Manpower Standard.

DANIEL JAMES III, Lieutenant General, USAF  
Director, Air National Guard

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION***References*

AFI 38-201 *Determining Manpower Requirements*

AFMAN 38-208, Volume 1, *Air Force Management Engineering Program (MEP)-Process*

AFMAN 38-208, Volume 2, *Air Force Management Engineering Program (MEP)-Quantification Tools*

AFMS 00AA, *Standard Indirect Description*

*Abbreviations and Acronyms*

**AF** - Air Force

**AFMS** - Air Force Manpower Standard

**ANG** - Air National Guard

**ANGMS** - Air National Guard Manpower Standard

**MEP** - Management Engineering Program

**OTI**—One Time Inspection

**PMEL**—Precision Measurement Equipment Laboratory

**POD** - Process Oriented Description

**TCTO**—Time Compliance Technical Order

**UMD** - Unit Manpower Document

**UTA** - Unit Training Assembly

*Terms*

**Air National Guard Manpower Standard (ANGMS).** A numbered, specialized publication that quantifies manpower requirements for a work center, it also includes approved variances. See AFI 38-201.

**Man-Hour.** A unit of measuring work. It is equivalent to one person working at a normal pace for 60 minutes, two people working at a normal pace for 30 minutes, or similar combination of people working at a normal pace for a period of time equal to 60 minutes.

**Manpower Standard.** The basic tool used to determine the minimum level of manpower required to support a function. It is a quantitative expression that represents a work center's man-hour requirements in response to varying levels of workload.

**Process Oriented Description.** A format that shows work center responsibilities structured for easy measurement of work categories, tasks and subtasks.

## Attachment 2

**PROCESS ORIENTED DESCRIPTION  
PNEUDRAULICS SYSTEMS**

**Table A2.1. Listing of Functional Processes.**

1.	ON-EQUIPMENT MAINTENANCE:
1.1.	MAINTAINS HYDRULIC (UTILITY/BOOST) POWER SUPPLY SYSTEM. Inspects, troubleshoots, and repairs equipment.
1.1.1.	MAINTAINS HYDRAULIC RESERVOIR SYSTEM:
1.1.1.1.	INSPECTS RESERVOIRS.
1.1.1.2.	REMOVES RESERVOIRS.
1.1.1.3.	INSTALLS RESERVOIRS.
1.1.1.4.	RESEAL FITTINGS ON RESERVOIR BODY.
1.1.1.5.	DRAINS RESERVOIRS.
1.1.1.6.	SERVICES RESERVOIRS.
1.1.2.	MAINTAINS PUMP SYSTEM:
1.1.2.1.	INSPECTS PUMPS.
1.1.2.2.	REMOVES PUMPS.
1.1.2.3.	INSTALLS PUMPS.
1.1.2.4.	TROUBLESHOOTS PUMP SYSTEM.
1.1.3.	MAINTAINS ACCUMULATOR SYSTEM:
1.1.3.1.	INSPECTS ACCUMULATOR SYSTEM.
1.1.3.2.	REMOVES ACCUMULATOR SYSTEM.
1.1.3.3.	INSTALLS ACCUMULATOR SYSTEM.
1.1.3.4.	SERVICES ACCUMULATOR SYSTEM.
1.1.3.5.	TROUBLESHOOTS ACCUMULATOR SYSTEM.

1.1.4.	MAINTAINS HYDRAULIC PRESSURE INDICATION INSTRUMENT:
1.1.4.1.	INSPECTS INDICATION SYSTEM.
1.1.4.2.	TROUBLESHOOTS INDICATION SYSTEM.
1.1.5	MAINTAINS VALVES:
1.1.5.1.	INSPECTS VALVES.
1.1.5.2.	REMOVES VALVES.
1.1.5.3.	INSTALLS VALVES.
1.1.5.4.	TROUBLESHOOTS VALVES.
1.1.6.	MAINTAINS HOSE AND TUBING ASEMBLIES:
1.1.6.1.	INSPECTS HOSE AND TUBING ASEMBLIES.
1.1.6.2.	REMOVES HOSE AND TUBING ASEMBLIES.
1.1.6.3.	INSTALLS HOSE AND TUBING ASEMBLIES.
1.1.6.4.	FABRICATE HOSE ASSEMBLIES.
1.1.6.5.	TEST HOSE AND TUBING ASEMBLIES.
1.1.6.6.	TROUBLESHOOTS HOSE AND TUBING ASEMBLIES.
1.2.	MAINTAINS FLIGHT CONTROLS: Inspects, troubleshoots, service, repair and performs operational checks.
1.2.1.	MAINTAINS AILERON BOOSTER SYSTEM.
1.2.1.1.	INSPECTS AILERON CONTROL SYSTEM.
1.2.1.2.	REMOVES:
1.2.1.2.1.	VALVES.
1.2.1.2.2.	ACTUATORS.
1.2.1.2.3.	BOOST PACKS.
1.2.1.2.4.	MECHANICAL COMPONENTS.
1.2.1.3.	INSTALLS:

1.2.1.3.1.	VALVES.
1.2.1.3.2.	ACTUATORS.
1.2.1.3.3.	BOOST PACKS.
1.2.1.3.4.	MECHANICAL COMPONENTS.
1.2.1.4.	TROUBLESHOOTS AILERON CONTROL SYSTEM
1.2.2.	MAINTAINS ELEVATOR BOOST SYSTEM:
1.2.2.1.	INSPECTS ELEVATOR CONTROL SYSTEM.
1.2.2.2.	REMOVES:
1.2.2.2.1.	VALVES.
1.2.2.2.2.	ACTUATORS.
1.2.2.2.3.	BOOST PACKS.
1.2.2.3.	INSTALLS:
1.2.2.3.1.	VALVES.
1.2.2.3.2.	ACTUATORS.
1.2.2.3.3.	BOOST PACKS.
1.2.2.4.	TROUBLESHOOTS ELEVATOR CONTROL SYSTEM.
1.2.3.	MAINTAINS RUDDER BOOST SYSTEM:
1.2.3.1.	INSPECTS RUDDER CONTROL SYSTEM.
1.2.3.2.	REMOVES.
1.2.3.2.1.	VALVES.
1.2.3.2.2.	ACTUATORS.
1.2.3.2.3.	BOOST PACKS.
1.2.3.3.	INSTALLS:
1.2.3.3.1.	VALVES.



1.2.3.3.2.	ACTUATORS.
1.2.3.3.3.	BOOST PACKS.
1.2.4.	MECHANICAL COMPONENTS:
1.2.4.1.	MAINTAINS RUDDER DIVERTER PANEL:
1.2.4.2.	INSPECTS RUDDER DIVERTER PANEL.
1.2.4.3.	REMOVES VALVES.
1.2.4.4.	INSTALLS VALVES.
1.2.4.5.	TROUBLESHOOTS RUDDER DIVERTER PANEL.
1.2.5.	MAINTAINS FLAP CONTROL SYSTEM:
1.2.5.1.	INSPECTS FLAP CONTROL SYSTEM.
1.2.5.2.	REMOVES:
1.2.5.2.1.	VALVES.
1.2.5.2.2.	MOTORS.
1.2.5.2.3.	FLAP BREAKS.
1.3.	MAIN LANDING GEAR: Inspects, troubleshoots, service, repair, and performs operational checks.
1.3.1.	MAINTAINS MAIN LANDING GEAR:
1.3.1.1.	INSPECTS MAIN LANDING GEAR SYSTEM.
1.3.1.2.	REMOVES:
1.3.1.2.1.	VALVES.
1.3.1.2.2.	MOTORS.
1.3.1.2.3.	ASSISTS WITH STRUT REMOVAL.
1.3.1.2.4.	MECHANICAL COMPONENTS.
1.3.1.3.	INSTALLS:
1.3.1.3.1.	VALVES.

1.3.1.3.2.	MOTORS.
1.3.1.3.3.	ASSISTS WITH STRUT INSTALL.
1.3.1.4.	SERVICES MAIN LANDING GEAR STRUT.
1.3.1.5.	TROUBLESHOOTS MAIN LANDING GEAR SYSTEM:
1.3.2.	MAINTAINS NOSE LANDING GEAR:
1.3.2.1.	INSPECTS NOSE LANDING GEAR SYSTEM:
1.3.2.2.	ASSISTS IN REMOVAL AND INSTALLATION OF NOSE STRUT.
1.3.2.3.	REMOVES:
1.3.2.3.1.	VALVES.
1.3.2.3.2.	ACTUATORS.
1.3.2.4.	INSTALLS:
1.3.2.4.1.	VALVES.
1.3.2.4.2.	ACTUATORS.
1.3.2.5.	SERVICES NOSE LANDING GEAR STRUT.
1.3.2.6.	TROUBLESHOOTS NOSE LANDING GEAR SYSTEM.
1.3.3.	MAINTAINS MAIN LANDING GEAR WHEEL GEAR SYSTEM:
1.3.3.1.	INSPECTS MAIN LANDING GEAR BREAK SYSTEM.
1.3.3.2.	ASSISTS WITH BREAK REMOVAL AND INSTALLATION.
1.3.3.3.	REMOVES:
1.3.3.3.1.	SWIVELS.
1.3.3.3.2.	SHUTTLE VALVE.
1.3.3.4.	INSTALLS:
1.3.3.4.1.	SWIVELS.
1.3.3.4.2.	SHUTTLE VALVE.

1.3.3.5.	TROUBLESHOOTS MAIN LANDING GEAR BREAK SYSTEM.
1.3.4.	MAINTAINS NOSE LANDING GEAR STEERING HYDRAULIC COMPONENTS:
1.3.4.1.	INSPECTS NOSE LANDING GEAR STEERING SYSTEM.
1.3.4.2.	REMOVES:
1.3.4.2.1.	SWIVELS.
1.3.4.2.2.	VALVES.
1.3.4.2.3.	ACTUATORS.
1.3.4.2.4.	MANIFOLDS.
1.3.4.2.5.	MECHANICAL COMPONENTS.
1.3.4.3.	INSTALLS:
1.3.4.3.1.	SWIVELS.
1.3.4.3.2.	VALVES.
1.3.4.3.3.	ACTUATORS.
1.3.4.3.4.	MANIFOLDS.
1.4.	MAINTAINS AUXILIARY HYDRAULIC POWER SYSTEM:
1.4.1.	INSPECTS AUXILIARY HYDRAULIC POWER SYSTEM.
1.4.2.	REMOVES:
1.4.2.1.	PUMPS.
1.4.2.2.	VALVES.
1.4.2.3.	OIL COOLER.
1.4.3.	INSTALLS:
1.4.3.1.	PUMPS.
1.4.3.2.	VALVES.
1.4.3.3.	OIL COOLER.

1.4.4.	SERVICES AUXILLARY RESERVOIR.
1.5.	MAINTAINS CARGO RAMP (HYDRAULIC COMPONENTS) AND AFT CARGO DOOR SYSTEM:
1.5.1.	INSPECTS CARGO DOOR AND RAMP SYSTEM:
1.5.2.	REMOVES:
1.5.2.1.	VALVES.
1.5.2.2.	ACTUATORS.
1.5.2.3.	MANIFOLDS.
1.5.3.	INSTALLS:
1.5.3.1.	VALVES.
1.5.3.2.	ACTUATORS.
1.5.3.3.	MANIFOLDS.
1.5.3.4.	SERVICES AFT CARGO DOOR ACTUATOR.
1.5.3.5.	TROUBLESHOOTS CARGO DOOR AND RAMP SYSTEM.
1.6.	AIRCRAFT INSPECTION: Performs special, phase, and hourly aircraft inspection.
1.6.1.	PERFORMS ISOCHRONAL LOOK AND FIX PHASE.
1.6.1.1.	PERFORMS WORKCARDS INSPECTION.
1.6.1.2.	PERFORMS SCHEDULED MAINTENANCE.
1.6.1.3.	REPAIRS DISCREPANCIES FOUND BY OTHER WORK CENTERS.
1.6.2.	PERFORMS SPECIAL INSPECTIONS.
1.6.2.1.	TIME COMPLIANCE TECHNICAL ORDER (TCTO) INSPECTION.
1.6.2.2.	ONE TIME INSPECTIONS (OTI).
2.	OFF-EQUIPMENT:
2.1.	MAINTAINS HYDRAULIC AND PNEUMATIC POWER SUPPLY SYSTEM. Bench checks, test, inspects, repairs, and manufactures equipment.

2.1.1.	MAINTAINS HYDRAULIC RESERVOIR SYSTEM.
2.1.1.1.	INSPECTS RESERVOIR BODY.
2.1.1.2.	REPAIRS RESERVOIR BODY.
2.1.1.3.	RESEALS FITTINGS ON RESERVOIR BODY.
2.1.1.4.	TESTS RESERVOIR.
2.1.1.5.	PROCESSES ASSETS.
2.1.2.	MAINTAINS VALVES:
2.1.2.1.	DISASSEMBLES VALVES.
2.1.2.2.	CLEANS VALVES.
2.1.2.3.	INSPECT VALVES.
2.1.2.4.	RESEALS VALVES.
2.1.2.5.	ASSEMBLES VALVES.
2.1.2.6.	TESTS VALVES.
2.1.2.7.	PROCESSES ASSETS.
2.1.3.	MAINTAINS PUMP SYSTEM: Process assets.
2.1.4.	MAINTAINS ACCUMULATOR SYSTEM:
2.1.4.1.	DISASSEMBLES ACCUMULATOR.
2.1.4.2.	CLEANS ACCUMULATOR.
2.1.4.3.	INSPECTS ACCUMULATOR.
2.1.4.4.	RESEALS ACCUMULATOR.
2.1.4.5.	ASSEMBLES ACCUMULATOR.
2.1.4.6.	TESTS ACCUMULATOR.
2.1.4.7.	PROCESSES ASSETS.
2.1.5.	MAINTAINS FILTER SYSTEM:

2.1.5.1.	DISASSEMBLES FILTER BOWL.
2.1.5.2.	CLEANS FILTER BOWL.
2.1.5.3.	INSPECTS FILTER BOWL.
2.1.5.4.	RESEALS FILTER BOWL.
2.1.5.5.	ASSEMBLES FILTER BOWL.
2.1.5.6.	TESTS FILTER BOWL.
2.1.5.7.	PROCESSES ASSETS.
2.1.6.	MAINTAINS HYDRAULIC CARGO DOOR AND RAMP SYSTEM.
2.1.6.1.	VALVES:
2.1.6.1.1.	DISASSEMBLES VALVES.
2.1.6.1.2.	CLEANS VALVES.
2.1.6.1.3.	INSPECTS VALVES.
2.1.6.1.4.	RESEALS VALVES.
2.1.6.1.5.	ASSEMBLES VALVES.
2.1.6.1.6.	TESTS VALVES.
2.1.6.1.7.	PROCESSES ASSETS.
2.1.6.2.	ACTUATORS:
2.1.6.2.1.	DISASSEMBLES ACTUATORS.
2.1.6.2.2.	CLEANS ACTUATORS.
2.1.6.2.3.	INSPECTS ACTUATORS.
2.1.6.2.4.	RESEALS ACTUATORS.
2.1.6.2.5.	ASSEMBLES ACTUATORS.
2.1.6.2.6.	TESTS ACTUATORS.
2.1.6.2.7.	PROCESSES ASSETS.

2.1.6.3.	MANIFOLDS:
2.1.6.3.1.	DISASSEMBLES MANIFOLDS.
2.1.6.3.2.	CLEANS MANIFOLDS.
2.1.6.3.3.	INSPECTS MANIFOLDS.
2.1.6.3.4.	RESEALS MANIFOLDS.
2.1.6.3.5.	ASSEMBLES MANIFOLDS.
2.1.6.3.6.	TESTS MANIFOLDS.
2.1.6.3.7.	PROCESSES ASSETS.
2.1.7.	MAINTAINS LANDING GEAR:
2.1.7.1.	MAIN LANDING GEAR:
2.1.7.1.1.	VALVES:
2.1.7.1.1.1.	DISASSEMBLES VALVES.
2.1.7.1.1.2.	CLEANS VALVES.
2.1.7.1.1.3.	INSPECTS VALVES.
2.1.7.1.1.4.	RESEALS VALVES.
2.1.7.1.1.5.	ASSEMBLES VALVES.
2.1.7.1.1.6.	TESTS VALVES.
2.1.7.1.1.7.	PROCESSES ASSETS.
2.1.7.2.	BREAKS:
2.1.7.2.1.	BRAKE ASSEMBLY.
2.1.7.2.1.1.	DISASSEMBLES BRAKE ASSEMBLY.
2.1.7.2.1.2.	CLEANS BRAKE ASSEMBLY.
2.1.7.2.1.3.	INSPECTS BRAKE ASSEMBLY.
2.1.7.2.1.4.	RESEALS BRAKE ASSEMBLY.

2.1.7.2.1.5.	ASSEMBLES BRAKE ASSEMBLY.
2.1.7.2.1.6.	TESTS BRAKE ASSEMBLY.
2.1.7.2.1.7.	PROCESSES ASSETS.
2.1.7.2.2.	BREAK SWIVELS:
2.1.7.2.2.1.	DISASSEMBLES BREAK SWIVELS.
2.1.7.2.2.2.	CLEANS BREAK SWIVELS.
2.1.7.2.2.3.	INSPECTS BREAK SWIVELS.
2.1.7.2.2.4.	RESEALS BREAK SWIVELS.
2.1.7.2.2.5.	ASSEMBLES BREAK SWIVELS.
2.1.7.2.2.6.	TESTS BREAK SWIVELS.
2.1.7.2.2.7.	PROCESSES ASSETS.
2.1.7.2.3.	MOTORS:
2.1.7.2.3.1.	INSPECTS MOTORS.
2.1.7.2.3.2.	CLEANS MOTORS.
2.1.7.2.3.3.	PROCESSES ASSETS.
2.1.7.3.	NOSE LANDING GEAR:
2.1.7.3.1.	VALVES:
2.1.7.3.1.1.	DISASSEMBLES VALVES
2.1.7.3.1.2.	CLEANS VALVES.
2.1.7.3.1.3.	INSPECTS VALVES.
2.1.7.3.1.4.	RESEALS VALVES.
2.1.7.3.1.5.	ASSEMBLES VALVES.
2.1.7.3.1.6.	TESTS VALVES.
2.1.7.3.1.7.	PROCESSES ASSETS.



2.1.7.3.2.	ACTUATORS:
2.1.7.3.2.1.	DISASSEMBLES ACTUATORS.
2.1.7.3.2.2.	CLEANS ACTUATORS.
2.1.7.3.2.3.	INSPECTS ACTUATORS.
2.1.7.3.2.4.	RESEALS ACTUATORS.
2.1.7.3.2.5.	ASSEMBLES ACTUATORS.
2.1.7.3.2.6.	TESTS ACTUATORS.
2.1.7.3.2.7.	PROCESSES ASSETS.
2.1.7.4.	NOSE WHEEL STEERING:
2.1.7.4.1.	VALVES:
2.1.7.4.1.1.	DISASSEMBLES VALVES.
2.1.7.4.1.2.	CLEANS VALVES.
2.1.7.4.1.3.	INSPECTS VALVES.
2.1.7.4.1.4.	RESEALS VALVES.
2.1.7.4.1.5.	ASSEMBLES VALVES.
2.1.7.4.1.6.	TESTS VALVES.
2.1.7.4.1.7.	PROCESSES ASSETS.
2.1.7.4.2.	MANIFOLDS:
2.1.7.4.2.1.	DISASSEMBLES MANIFOLDS.
2.1.7.4.2.2.	CLEANS MANIFOLDS.
2.1.7.4.2.3.	INSPECTS MANIFOLDS.
2.1.7.4.2.4.	RESEALS MANIFOLDS.
2.1.7.4.2.5.	ASSEMBLES MANIFOLDS.
2.1.7.4.2.6.	TESTS MANIFOLDS.

2.1.7.4.2.7.	PROCESSES ASSETS.
2.1.7.4.3.	ACTUATORS:
2.1.7.4.3.1.	DISASSEMBLES ACTUATORS.
2.1.7.4.3.2.	CLEANS ACTUATORS.
2.1.7.4.3.3.	INSPECTS ACTUATORS.
2.1.7.4.3.4.	RESEALS ACTUATORS.
2.1.7.4.3.5.	ASSEMBLES ACTUATORS.
2.1.7.4.3.6.	TESTS ACTUATORS.
2.1.7.4.3.7.	PROCESSES ASSETS.
2.1.7.4.4.	SWIVELS:
2.1.7.4.4.1.	DISASSEMBLES SWIVELS.
2.1.7.4.4.2.	CLEANS SWIVELS.
2.1.7.4.4.3.	INSPECTS SWIVELS.
2.1.7.4.4.4.	RESEALS SWIVELS.
2.1.7.4.4.5.	ASSEMBLES SWIVELS.
2.1.7.4.4.6.	TESTS SWIVELS.
2.1.7.4.4.7.	PROCESSES ASSETS.
2.1.8.	MAINTAINS FLIGHT CONTROL SYSTEM:
2.1.8.1.	VALVES:
2.1.8.1.1.	DISASSEMBLES VALVES.
2.1.8.1.2.	CLEANS VALVES.
2.1.8.1.3.	INSPECTS VALVES.
2.1.8.1.4.	RESEALS VALVES.
2.1.8.1.5.	ASSEMBLES VALVES.

2.1.8.1.6.	TESTS VALVES.
2.1.8.1.7.	PROCESSES ASSETS.
2.1.8.2.	ACTUATORS:
2.1.8.2.1.	DISASSEMBLES ACTUATORS.
2.1.8.2.2.	CLEANS ACTUATORS.
2.1.8.2.3.	INSPECTS ACTUATORS.
2.1.8.2.4.	RESEALS ACTUATORS.
2.1.8.2.5.	ASSEMBLES ACTUATORS.
2.1.8.2.6.	TESTS ACTUATORS.
2.1.8.2.7.	PROCESSES ASSETS.
2.1.8.3.	BOOST PACKS:
2.1.8.3.1.	CLEANS BOOST PACKS.
2.1.8.3.2.	INSPECTS BOOST PACKS.
2.1.8.3.3.	PROCESSES ASSETS.
2.1.8.4.	MOTORS:
2.1.8.4.1.	CLEANS MOTORS.
2.1.8.4.2.	INSPECTS MOTORS.
2.1.8.4.3.	PROCESSES ASSETS.
3.	NON-POWERED AEROSPACE GROUND EQUIPMENT (AGE):
3.1.	MAINTENANCE STANDS:
3.1.1.	OPERATES MAINTENANCE STANDS.
3.1.2.	DOCUMENTS INSPECTION.
3.2.	HYDRALIC SERVICING CART:
3.2.1.	OPERATES SERVICING CART.

3.2.2.	MAINTAINS SERVICING CART.
3.2.3.	TROUBLESHOOTS SERVICING CART.
3.2.4.	DOCUMENTS INSPECTION.
3.3.	PORTABLE LIFT:
3.3.1.	OPERATES PORTABLE LIFT.
3.3.2.	MAINTAINS PORTABLE LIFT.
3.3.3.	TROUBLESHOOTS PORTABLE LIFT.
3.3.4.	DOCUMENTS INSPECTION.
3.4.	BRAKE BLEED UNIT:
3.4.1.	OPERATES BRAKE BLEED UNIT.
3.4.2.	MAINTAINS BRAKE BLEED UNIT.
3.4.3.	TROUBLESHOOTS BRAKE BLEED UNIT.
3.4.4.	DOCUMENTS INSPECTION.
4.	PERIODIC MAINTENANCE ON EQUIPMENT IN BASE SUPPLY:
5.	SHOP SUPPORT GENERAL CODE (WUC09000): Performs shop support general code.
5.1.	HYDRALIC TEST STAND:
5.1.1.	OPERATES HYDRALIC TEST STAND.
5.1.2.	MAINTAINS HYDRALIC TEST STAND.
5.1.3.	TROUBLESHOOTS HYDRALIC TEST STAND.
5.1.4.	DOCUMENTS INSPECTION.
5.2.	HOSE ASSEMBLY MACHINE:
5.2.1.	OPERATES HOSE ASSEMBLY MACHINE.
5.2.2.	MAINTAINS HOSE ASSEMBLY MACHINE.
5.2.3.	TROUBLESHOOTS HOSE ASSEMBLY MACHINE.

5.2.4.	DOCUMENTS INSPECTION.
5.3.	HOSE CUTOFF MACHINE:
5.3.1.	OPERATES HOSE CUTOFF MACHINE.
5.3.2.	MAINTAINS HOSE CUTOFF MACHINE.
5.3.3.	TROUBLESHOOTS HOSE CUTOFF MACHINE.
5.3.4.	DOCUMENTS INSPECTION.
5.4.	COMPRESSION RIVETER:
5.4.1.	OPERATES COMPRESSION RIVETER.
5.4.2.	MAINTAINS COMPRESSION RIVETER.
5.4.3.	TROUBLESHOOTS COMPRESSION RIVETER.
5.4.4.	DOCUMENTS INSPECTION.
5.5.	HOSE TEST UNIT:
5.5.1.	OPERATES HOSE TEST UNIT.
5.5.2.	MAINTAINS HOSE TEST UNIT.
5.5.3.	TROUBLESHOOTS HOSE TEST UNIT.
5.5.4.	DOCUMENTS INSPECTION.
5.6.	SPRING COMPRESSION TESTER:
5.6.1.	OPERATES SPRING COMPRESSION TESTER.
5.6.2.	MAINTAINS SPRING COMPRESSION TESTER.
5.6.3.	TROUBLESHOOTS SPRING COMPRESSION TESTER.
5.6.4.	DOCUMENTS INSPECTION.
6.	GROUND HANDLING, SERVICING, AND RELATED TASK:
6.1.	SERVICES RESERVOIR.
6.2.	SERVICES STRUTS.

6.3.	SERVICES ACCUMULATOR.
7.	HAZARDOUS WASTE:
7.1.	UPDATES HAZARDOUS WASTE PROGRAM FOLDER AS REQUIRED.
7.2.	PROCESSES HAZARDOUS WASTE. Identifies, labels, contains and disposes of hazardous waste within applicable guidelines.
7.3.	MAINTAINS ACCUMULATION POINT. Maintains hazardous waste accumulation point satellite collection area.
7.4.	PROCESS HAZARDOUS WASTE PRODUCTS.
8.	MAINTAINS PROTECTIVE EQUIPMENT: Inspects and performs all tasks associated in maintaining protective equipment.
8.1.	SERVICES/INSPECTSEYE WASH EQUIPMENT.
8.2.	SERVICES/INSPECTS PERSONAL PROTECTIVE.
8.3.	ORDERS PROTECTIVE EQUIPMENT AS REQUIRED.
9.	CORE AUTOMATED MAINTENANCE SYSTEM:
9.1.	INPUTS JOB DOCUMENTATION FOR ON/OFF EQUIPMENT.
9.2.	INPUTS TRAINING.
9.3.	QUALITY CHECKS FOR INPUT ACCURACY.
10.	BENCH STOCK MAINTENANCE:
10.1.	INSPECTS BENCH STOCK.
10.2.	ORDERS BENCH STOCK.
10.3.	ISSUES BENCH STOCK.
10.4.	REVIEWS BENCH STOCK LISTING.
11.	FORIGN OBJECT DAMAGE WALK/INSPECTION. Performs inspection as required.
12.	TECHNICAL DATA SUBACCOUNT MAINTENANCE. Posts changes as required.

13.	PRECISION MEASUREMENT EQUIPMENT LABORATORY (PMEL):
13.1.	INSPECTS EQUIPMENT AFTER CALIBRATION.
13.2.	PROCESSES EQUIPMENT DUE CALIBRATION.
14.	PREPARES FOR UNIT TRAINING ASSEMBLY (UTA).
15.	INDIRECT. Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of standard indirect work are: Administers Civilian, Officer, and Enlisted Personnel; Directs Work Center Activity; Provides Administrative Support; Prepares for and Conducts/Attends Meeting; Administers Training; Manages Supplies; Maintains Equipment; and Performs Cleanup.

**Attachment 3****MANPOWER TABLE****A3.1. Standard Manpower Table**

<b>Air Force Specialty Title</b>	<b>AFSC</b>	<b>Grade</b>	<b>Manpower Requirement</b>	
Supv Quality Assurance	2A675	Civ	2	3
Total			2	3

**NOTE.** AFSCs may be adjusted at the discretion of the Commander.